

SEQUENCE LISTING

*IU

<110> Balaban, Naomi Larrick, James W. Wright, Susan C.

<120> Methods and Compositions for the Treatment and Prevention of Staphylococcus Aureus Infections

<130> BALA-001CIP <150> 60/068,094 <151> 1997-12-19 <150> 09/054,331 <151> 1998-04-02 <160> 15 <170> FastSEQ for WindowsVersion 4.0 <210>1 <211> 7 <212 > PRT <213> S. aureus <220> <221> VARIANT <222>(1) ... (7) <223> Xaa = Cys, Trp or Ile <400> 1 Tyr Lys Pro Xaa Thr Asn Phe <210>2 <211> 7 <212 > PRT <213> S. aureus <220> <221> VARIANT <222> (1) . . . (7) <223> Xaa = Cys, Trp or Ile <400> 2 Tyr Ser Pro Xaa Thr Asn Phe 5 <210> 3 <211> 10 <212> PRT <213> S. aureus

<220>

```
<221> VARIANT
<222>(1) ... (10)
<223> Xaa = Cys, Trp or Ile
Ile Lys Lys Tyr Lys Pro Xaa Thr Asn Phe
                 5
<210> 4
<211> 10
<212> PRT
<213> S. aureus
<220>
<221> VARIANT
<222> (1).. (10)
<223> Xaa = Cys, Trp or Ile
<400> 4
Ile Lys Lys Tyr Ser Pro Xaa Thr Asn Phe
                5
<210> 5
<211> 21
<212> DNA
<213> S. aureus
<400> 5
                                                                         21
tattcgccgt ggaccaattt t
<210> 6
<211> 9
<212> PRT
<213> S. aureus
<400> 6
Ile Lys Lys Tyr Lys Pro Ile Thr Asn
<210> 7
<211> 7
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 7
Tyr Ser Pro Trp Thr Asn Phe
                  5
<210> 8
<211> 5
<212> PRT
<213> Artificial Sequence
```

2

<220>

```
<223> synthetic peptide
<400> 8
Pro Cys Thr Asn Phe
<210> 9
<211> 7
<212> PRT
<213> S. aureus
<400> 9
Tyr Lys ProIle Thr Asn Phe
                 5
<210> 10
<211> 7
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 10
Tyr Ser ProIle Thr Asn Pt
<210> 11
<211> 7
<212> PRT
<213> Artificial Sequence
<220>
<223> synthetic peptide
<400> 11
Tyr Lys Pro Trp Thr Asn Phe
<210> 12
<211> 839
<212> DNA
<213> Staphylococcus
<400> 12
atg gct att aaa aag tat aag cca ata aca aat ggt cgt cgt aat atg 48
act tcg tta gat ttc gca gaa atc acg aaa act aca cct gaa aag tca 96
tta tta aaa ccg cta ccg aaa aaa gcg gga cgt aac aac caa gta aat 144
tga ctg taa gac acc atg gtg gtg gac aca aac gtc aat acc gtg tta 192
tcg att tca aac gta aca aag atg gta tca atg caa aag ttg att cta 240
ttcaat atg atc caa acc gct cag caa aca tcg ctt tag ttg tat atg 288
cag acg gtg aaa aac gaa tat atc att gca ttg ctc cta aag gat tag 336
aag tag gtc aaa tcg ttg aaa gtg gtg ctg aag ctg aca cta aag ttg 384
gta acg cat tac cat tac aaa aca ttc cag ttg gta cag tag tac aca 432
```

acatcg agc tta aac ctg gta aag gtg gac aaa tcg ctc gtt cag ctg 480 gtg caa gtg ctc aag tac ttg gta aag aag gta aat acg tat taa tca 528 gat taa gat ctg gtg aag ttc gta tga tct tat cta ctt gcc gtg cta 576 caa tcg gtc aag ttg gta acc tac aac acg aat tag tta acg ttg gta 624 aag ccg gac gtt caa gat gga aag gta tcc gtc caa cag ttc gtg gtt 672 ctg taa tga acc cta acg atc acc cac acg gtg gtg gtg aag gtc gtg 720 ctc cta tcg gta gac cat ctc caa tgt cac cat ggg gta aac cta cgc 768 ttg gta aga aaa ctc gtc gtg gta aaa aat cat cag aca aac tta tcg 816 tcc gtg gac gta aga aaa aa taa 839

<210> 13 <211> 279 <212> PRT <213> Staphylococcus spp

<400> 13

Met Ala Ile Lys Lys Tyr Lys Pro Ile Thr Asn Gly Arg Arg Asn Met 10 Thr Ser Leu Asp Phe Ala Glu Ile Thr Lys Thr Thr Pro Glu Lys Ser 25 Leu Leu Lys Pro Leu Pro Lys Lys Ala Gly Arg Asn Asn Gln Gly Lys 40 Leu Thr Val Arg His His Gly Gly Gly His Lys Arg Gln Tyr Arg Val 55 Ile Asp Phe Lys Arg Asn Lys Asp Gly Ile Asn Ala Lys Val Asp Ser 75 Ile Gln Tyr Asp Pro Asn Arg Ser Ala Asn Ile Ala Leu Val Val Tyr Ala Asp Gly Glu Lys Arg Ile Tyr His Cys Ile Ala Pro Lys Gly Leu 105 Glu Val Gly Gln Ile Val Glu Ser Gly Ala Glu Ala Asp Thr Lys Val 120 Gly Asn Ala Leu Pro Leu Gln Asn Ile Pro Val Gly Thr Val Val His 140 135 Asn Ile Glu Leu Lys Pro Gly Lys Gly Gln Ile Ala Arg Ser Ala 155 150 Gly Ala Ser Ala Gln Val Leu Gly Lys Glu Gly Lys Tyr Val Leu Ile 170 165 Arg Leu Arg Ser Gly Glu Val Arg Met Ile Leu Ser Thr Cys Arg Ala 185 190 Thr Ile Gly Gln Val Gly Asn Leu Gln His Glu Leu Val Asn Val Gly 200 205 Lys Ala Gly Arg Ser Arg Trp Lys Gly Ile Arg Pro Thr Val Arg Gly 215 Ser Val Met Asn Pro Asn Asp His Pro His Gly Gly Glu Gly Arg 230 235 Ala Pro Ile Gly Arg Pro Ser Pro Met Ser Pro Trp Gly Lys Pro Thr 250 245 Leu Gly Lys Lys Thr Arg Arg Gly Lys Lys Ser Ser Asp Lys Leu Ile 265 270 Val Arg Gly Arg Lys Lys 275

273

<210> 14 <211> 30 <212> DNA

<213> PrimArtificial Sequene

)> 3> Primer	
<400> 14 gaattccata tggctattaa aaagtataag	30
<210> 15 <211> 32 <212> DNA <213> Artificial Sequence	cial Sequence
<220> <223> Primer	
<400> 15 cqcqcqqatc cttattttt cttacqtccacq	32